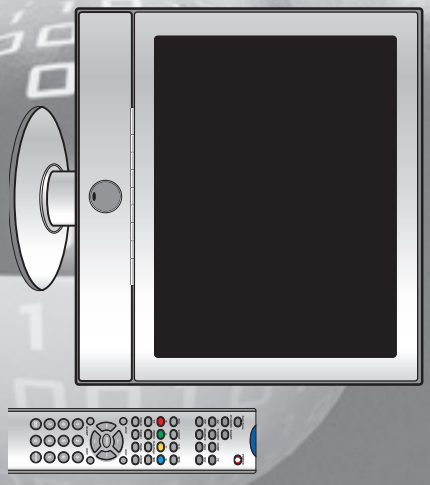


20" LCD TV
User Guide

Introducing the LCD TV

Installing the LCD TV

Using the LCD TV

Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits of a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit which is different from what the receiver is connected to.
4. Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user authority to operate the equipment.

Warnings and Precautions

To prevent any injuries, the following safety precautions should be observed in the installation, use, servicing and maintenance of this equipment.
Before operating this equipment, please read this manual completely, and keep it nearby for future reference.

WARNING	This symbol is intended to alert the user to avoid the risk of electric shock. This equipment must not be disassembled by anyone except qualified service personnel.
CAUTION	This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

- TO REDUCE THE RISK OF ELECTRIC SHOCK,
- DO NOT REMOVE COVER (OR BACK).
- NO USER-SERVICEABLE PARTS INSIDE.
- REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Important Safety Instructions

- Do not place the equipment on any uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
- Use only a cart or stand recommended by the manufacturer. This equipment and recommended cart or stand should be handled with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart/stand to overturn.

- Do not disable the 3-wire grounding type plug. The grounding pin on the 3-prong plug is an important feature. Removing the grounding pin will increase the risk of damaging the equipment.
- If you can not fit the plug into the electrical outlet, contact an electrician to install a grounding outlet.
- Always operate this equipment from the type of power source indicated on the rear of the serial/model plate.
- Never overload wall outlets and extensions.
- Use and handle the power cord with care. Do not place any heavy objects on the AC power cord.
- Do not pull the AC power cord. Do not handle the AC power cord with a wet hand.
- Do not touch the power cord and antenna cable during lightning.

- Remove the plug from the wall outlet, if the equipment will not be used for a long period of time.
- Do not place, use or handle this equipment near water.
- Never expose the equipment to liquid, rain, or moisture.
  Seek for service if any of the above is spilled into the equipment.
- Do not expose the equipment to extreme temperature or to direct sunlight, as the equipment may heat up and suffer damage.
- Do not install the equipment near any heat sources such as radiators, heat registers, stoves, or any other apparatus that might produce heat.
- Do not attempt to service the equipment yourself.

- Opening and removing the covers may expose you to dangerous voltage or other hazards and may void your warranty. Refer service to qualified personnel.
- Do not place or drop any other objects on top.
- Do not insert anything into the ventilation holes of your equipment.
  Inserting any metal or flammable objects may result to fire or electric shock.

- Do not place the equipment on uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
  Always place the equipment on the floor or on a surface that is sturdy, level, stable and strong enough to support the weight of the equipment.
- Do not block any ventilating openings. Leave an open space around the equipment.
  Never place the equipment :
  on a bed, sofa, rug, or any other similar surfaces; too close to drapes/curtains/walls, in a bookcase, built-in cabinet, or any other similar places that may cause poor ventilation.

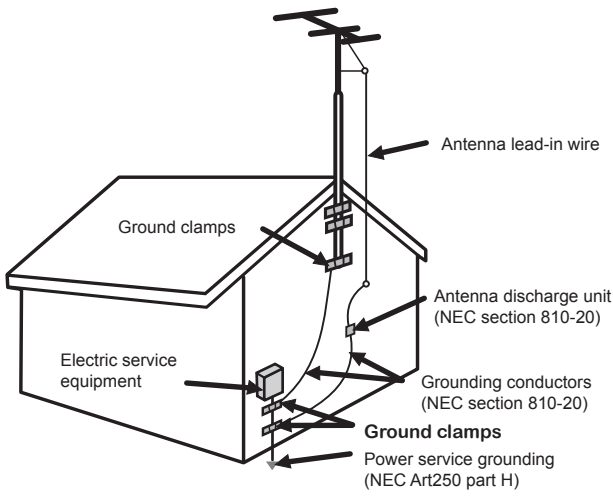
- Always remove the power cord from the outlet before cleaning the equipment.
- Never use liquid or aerosol cleaners on the equipment.
  Clean only with a soft dry cloth.

Antenna Safety Instructions

If an outdoor antenna is connected, follow the precautions below:

- An outdoor antenna should not be located in any area where it could come in contact with overhead power lines, or any other electric light or power circuits.
- When installing an outdoor antenna system, extreme caution should be taken to prevent contact with power lines. Direct contact with power lines may be fatal and should be avoided at all costs.

Section 810 of National Electrical Code (NEC) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



NEC : National Electrical code

EXAMPLE OF OUTDOOR ANTENNA GROUNDING

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Federal Communications Commission Statement

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Chapter 1 Introducing the LCD TV

Key Features

Various Audio/Video terminals for external equipment connection

- 1 set of composite A/V terminals
- 1 S-VIDEO terminal
- 1 set of component Video input terminals
- 1 VGA input terminal
- 3 sets of Audio input terminals

Digital Noise Reduction

- This function can digitally reduce image noise to provide better picture quality.

Film-Mode Detection (3:2 Reverse Pull Down)

- This function can automatically detect content derived from film and adjust the interlacer's frame matching to provide a more natural-looking, clearer image of the moving picture.

Package Contents

Make sure all of the following contents are included.
If you are missing any items, please return this product to the original place of purchase.

☑ LCD TV

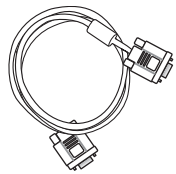
☑ Remote Control/AAA Batteries x 2

☑ Power Cord

☑ AC-DC Adapter

☑ User Guide

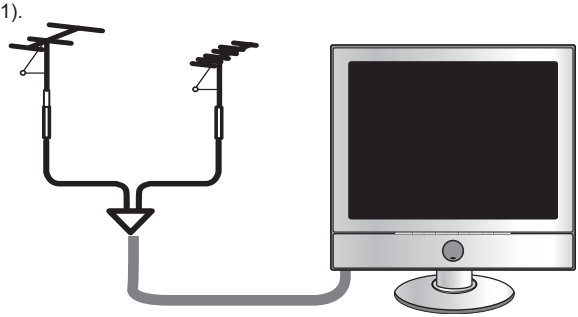
☑ VGA Cable



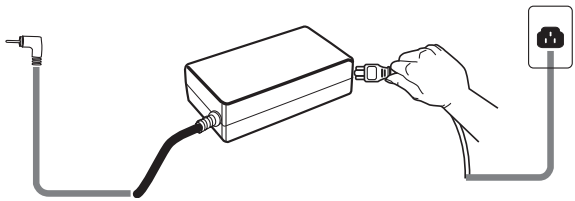
These items are all you need to set up and operate the LCD TV in its basic configuration.

Most devices (VCRs, DVD players etc.) come with the necessary cables for connection. If you want to set up a complex system, you may need to purchase extra cables, connectors etc.

1. Use a supplied antenna cable to connect the VHF/UHF signal to the LCD TV's ANT. terminal (refer to page11).

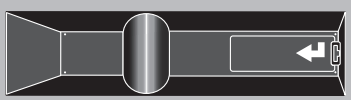


2. Connect the DC plug of the AC-DC adapter to the DC 12V socket at the back of the TV. Connect the AC-DC adapter and its power cord. Connect the power cord to wall outlet.

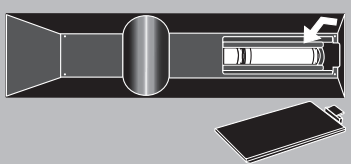


3. Insert the 2 batteries supplied in remote control.

Step1 Slide the back cover up to open the battery compartment of the remote control.



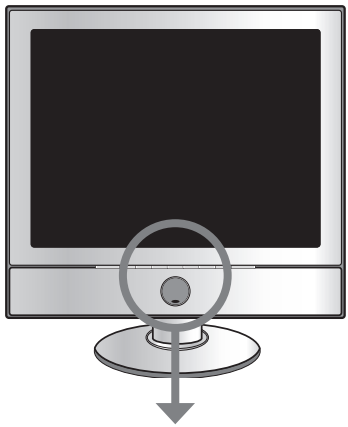
Step2 Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.
Slide the cover back into place.



Do not use caustic cleaners (porcelain, stainless steel, toilet, or oven cleaner etc.) on the remote, as it may suffer damage.

4. Connect other an external A/V device (refer to page15-21).

Front View and Controls

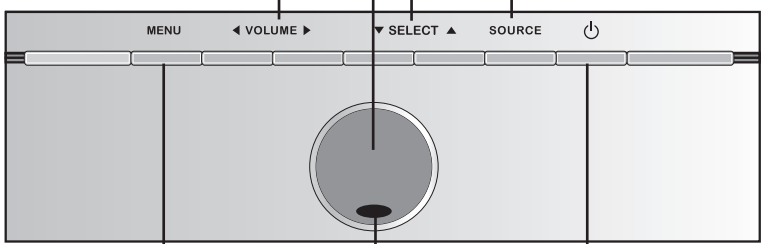


SELECT▲▼
Scans up and down through channels. Selects sub-menu item when in the OSD mode.

LED
The LED light indicates when the LCD TV is activated.

VOLUME◄►
Adjusts the volume up and down. Selects the sub-menu item and change values for items when in the OSD mode.

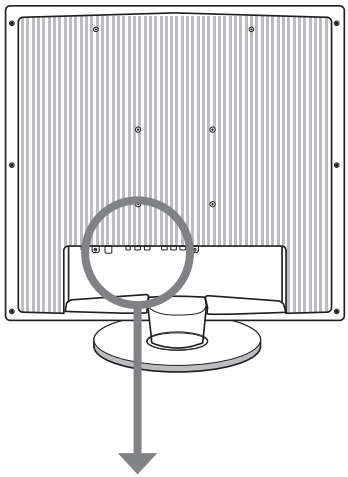
SOURCE
Chooses from different input signal sources.



⏻
Turns the LCD TV on and into standby mode.

IR
Infrared Receiver (IR)

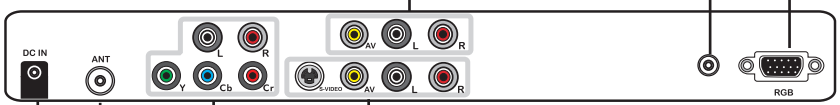
MENU
Press once to display the OSD (on screen display), press again to turn the OSD off.



VGA
Connects the satellite receiver or other AV equipment with D-Sub connector.

VGA AUDIO IN
Connects the audio output jack of the satellite receiver or other AV equipment with D-SUB connector.

AV Output
Connects to the composite A/V intput jacks on external video equipment.



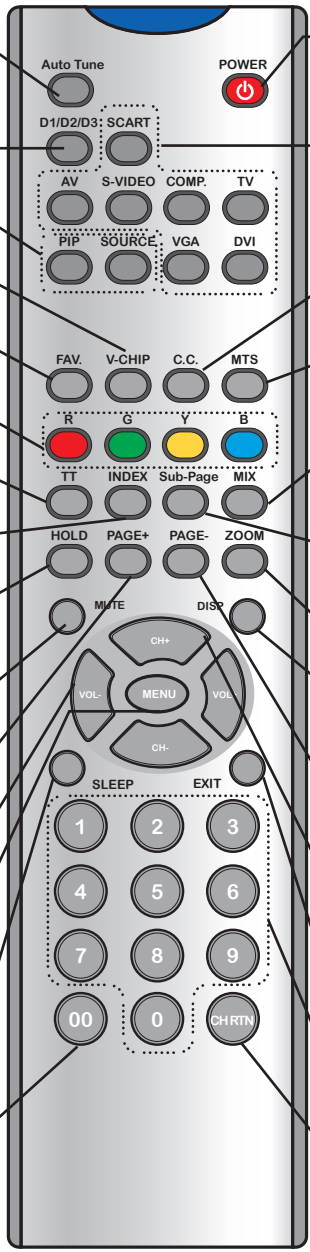
AV/S-VIDEO
Connects to the composite Video , S-VIDEO and Audio output jacks on external video equipment.

COMPONENT(YCbCr)
Connects to the Component(YCbCr) video and audio output jacks on external video equipment.

ANT.
Connects to a television antenna via a TV RF signal cable.

DC IN
Connects to a wall outlet via the included - AC-DC power adapter.

Your Remote Control



Auto Tune
Press to automatically adjust the display settings to optimize performance

D1/D2/D3 (invalid)
For Japan TV system only.

PIP/SOURCE (invalid)

V-CHIP
Turns the V-CHIP function on and off.

FAV. (invalid)
Displays the favorite channels.

Y, R, G, B
For European TV system only.

TELETEXT
For European TV system only.

INDEX
For European TV system only.

HOLD
For European TV system only.

MUTE
Mutes and restores your LCD TV sound.

PAGE +
For European TV system only.

VOL+/-
Adjusts the volume.

MENU
Displays the OSD (on screen display) menu.

SLEEP
Sets the LCD TV sleep time.

00
The one/two digit numbers by pressing this button.

Turns the LCD TV on and off.

TV/SCART(invalid)/VGA/ AV/S-VIDEO/COMP./ DVI(invalid)
Selects among the video equipment connected to the video inputs of your LCD TV.

C.C.
Cycles through the closed caption modes.

MTS
Cycles through the TV Sound options: MONO/DUAL/ STEREO

MIX
For European TV system only.

SUBPAGE
For European TV system only.

ZOOM (invalid)

DISP
Displays information on the LCD TV screen such as channel and channel label.

PAGE -
For European TV system only.

CH+/-
Scans up and down through channels.

EXIT
Exits the OSD menu.

0-9
Select and switch to a channel by using 0-9 buttons.

CH RTN
Switch back and forth between the current and previous channel.

Effective range:
The remote can control the LCD TV from up to 5m away, if pointed directly at the receiver.

Chapter 2 Installing the LCD TV

Refer to the owner's manual of any external equipment to be connected.
When connecting any external equipment, do not connect any AC power cords to wall outlets until all other connections are completed.

Connecting a TV Cable or Antenna

Antenna Connection

The antenna requirements for good color TV reception are more important than those for a black & white TV reception. For this reason, a good quality outdoor antenna is strongly recommended.
The following is a brief explanation of the type of connection that is provided with the various antenna systems.

- **A 75-ohm system is generally a round cable (not included) with F-type connector that can easily be attached to a terminal without tools.**

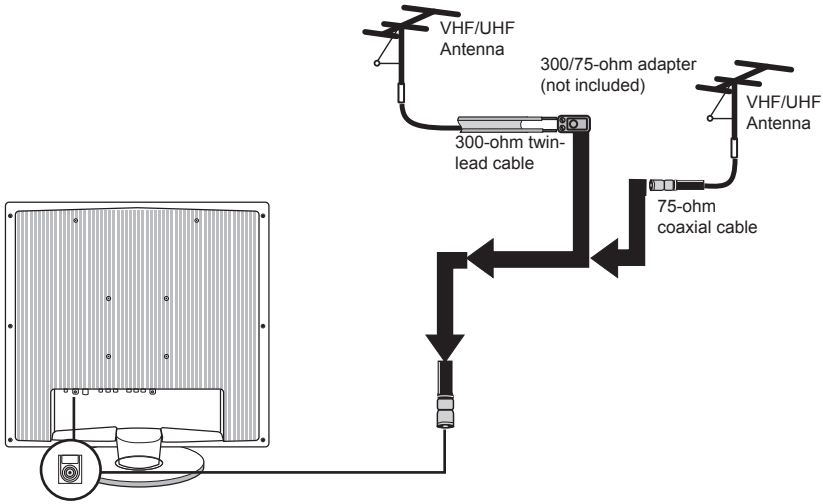
75-ohm coaxial cable (round)

- **A 300-ohm system is a flat twin-lead cable (not included) that can be attached to a 75-ohm terminal through a 300-75-ohm adapter (not included).**

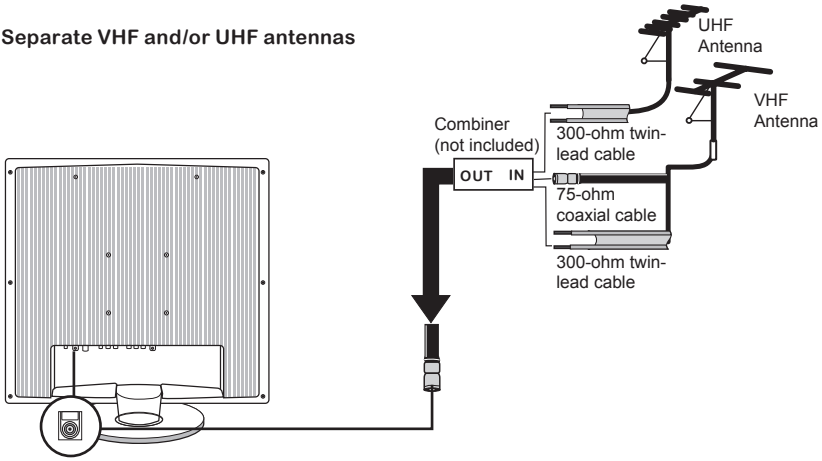
300-ohm twin-lead cable (flat)

Use one of the following two diagrams when connecting an outdoor antenna.
A: Shows how to use a VHF/UHF combination outdoor antenna.
B: Shows how to use a separate VHF and/or UHF outdoor antenna.

A. Combination VHF/UHF antenna



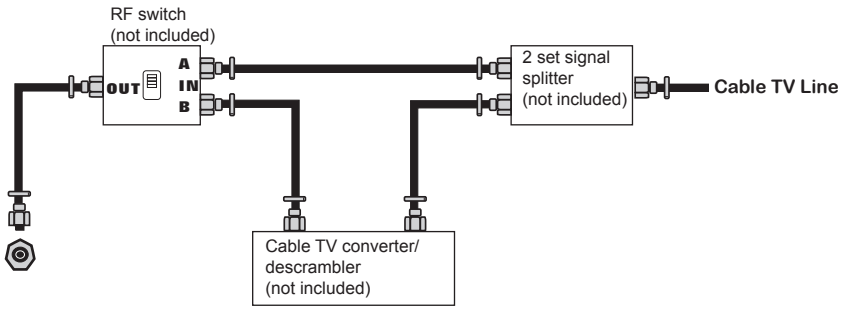
B. Separate VHF and/or UHF antennas



This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code (NEC) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building accurately, or as close to the point of cable entry as possible. Use of this TV for other than private viewing of programs broadcasted on UHF, VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcast/cable company, and/or program owner.

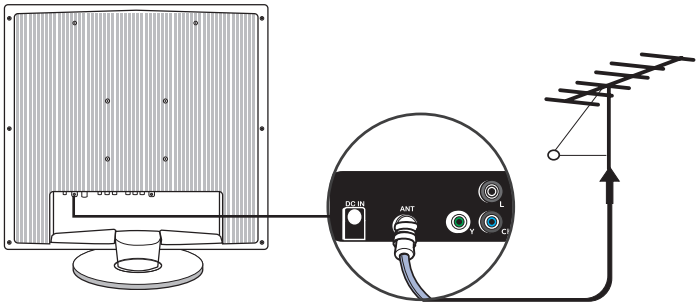
- **A 75-ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75-ohm coaxial cable to the set, connect the 75-ohm cable into the ANT. terminal.**
- **Some cable TV companies offer premium pay channels. Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company.**

This converter/descrambler is necessary for normal viewing of scrambled channels.
(Set your TV to channel 3 or 4, typically one of these channels is used. If this is unknown, consult your cable TV company.)
For more specific instructions on installing cable TV, consult your cable TV company.
One possible method of connecting the coverter/descrambler provided by your cable TV company is shown in the diagram below.

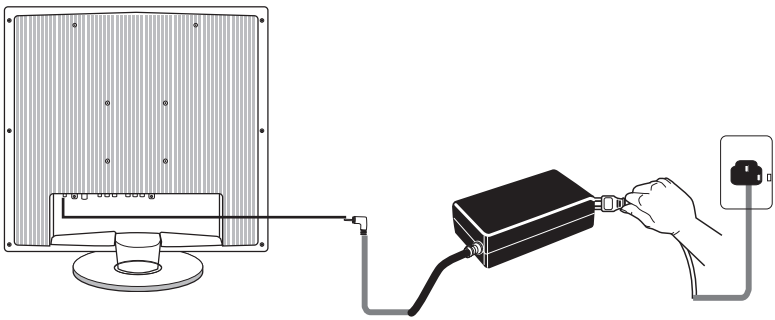


- **The RF switch (not included) is required to provide two inputs (A and B). Setting the RF switch to position A allows viewing of all unscrambled channels by using the TV channel keys.**
- **Setting the RF switch to position B allows viewing of all scrambled channels via the converter/descrambler by using the converter channel keys.**

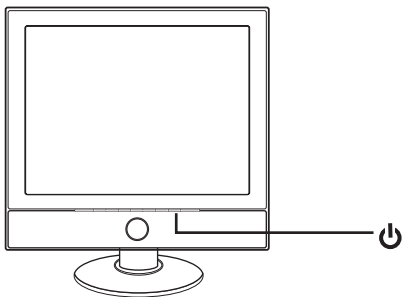
1. Use a supplied antenna cable to connect the VHF/UHF signal to the LCD TV's ANT. terminal.



2. Connect the DC plug of the AC-DC adapter to the DC 12V socket at the back of the TV. Connect the AC-DC adapter and its power cord. Connect the power cord to wall outlet.



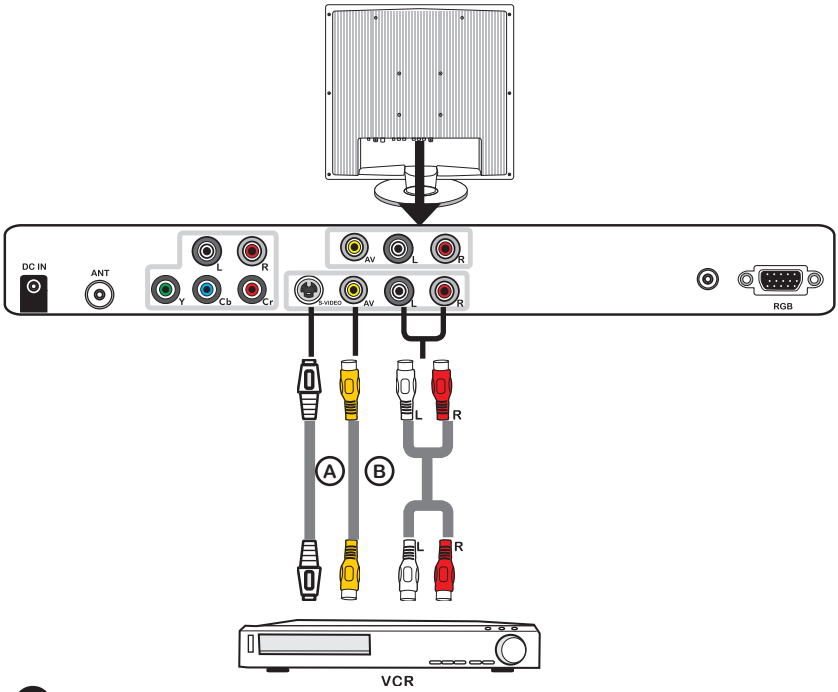
3. Press the button on the remote to turn on the LCD TV.



Always disconnect the LCD TV from the main voltage when the LCD TV will not be used for a long period of time. The POWER button on the front panel is only used for switching the LCD TV into standby, it does not disconnect the device from the main voltage. To completely disconnect the main voltage, please remove the power plug from the socket.

4. Press the **TV** button on the remote.

Connecting a VCR



1. **METHOD A:**

   Use an audio cable to connect the VCR's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the VCR's S-video output jack to the LCD TV's S-video input jack.

   METHOD B:

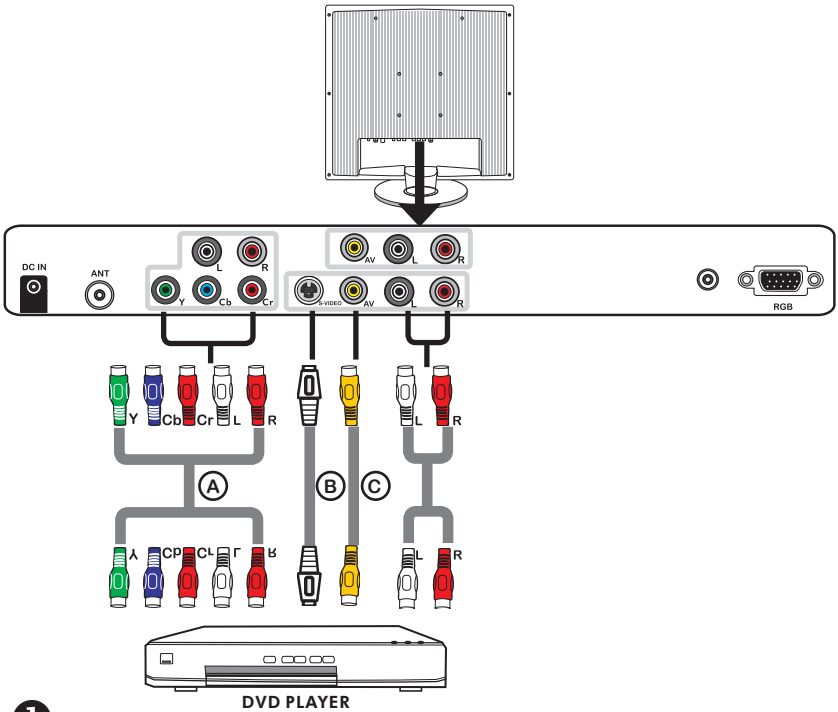
   Use a composite cable to connect the VCR's composite video/audio jacks to the LCD TV's composite video/audio jacks.

2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the button on the remote to turn on the LCD TV.

4. To watch a videotape, press the **S-VIDEO** (METHOD A), **AV** (METHOD B) on the remote to select.

Connecting a DVD Player



1

METHOD A:

Use a component cable to connect the DVD player's component (YCbCr) output jacks to the LCD TV's component input jacks. Use an audio cable to connect the DVD player's component audio jacks to the LCD TV's audio input jacks.

METHOD B:

Use an audio cable to connect the DVD's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the DVD's S-video output jack to the LCD TV's S-video input jack.

METHOD C:

Use a composite cable to connect the DVD's composite video/audio jacks to the LCD TV's

2

Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3

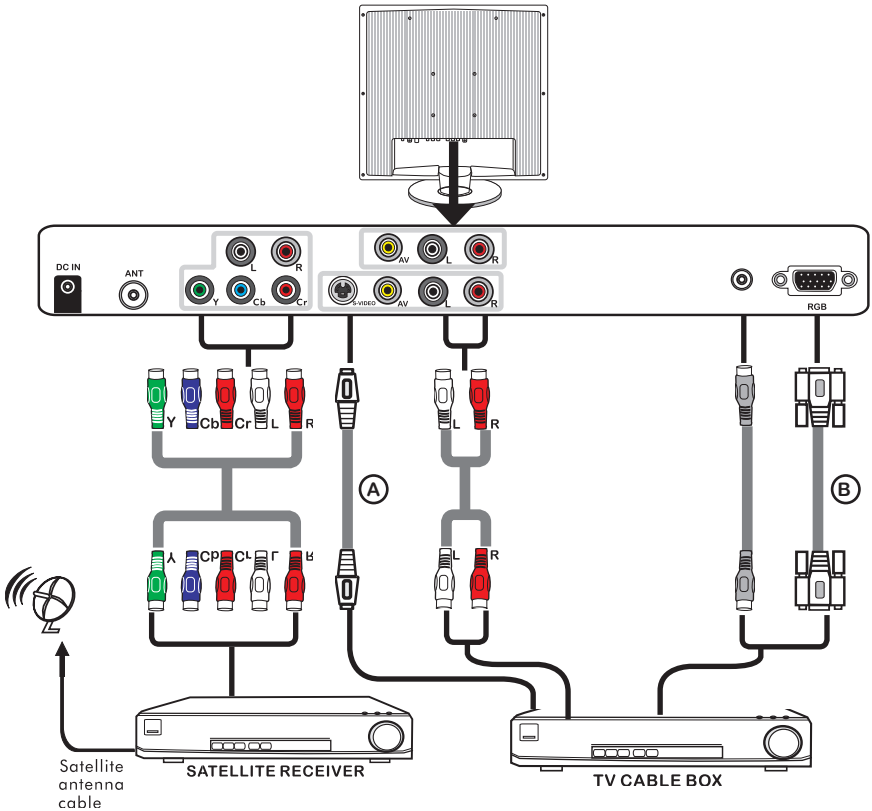
Press the button on the remote to turn on the LCD TV.

4

To watch a DVD, press the **COMP.** (METHOD A), **S-VIDEO** (METHOD B), **AV** (METHOD C) on the remote.

For best picture quality, if your equipment has component video output, use a component cable instead of a composite video or S-video cable.

Connecting a TV Cable Box and Satellite Receiver



1. Use a component cable to connect the satellite receiver's component (YCbCr) output jacks to the LCD TV's component input jacks. Use an audio cable to connect the satellite receiver's component audio jacks to the LCD TV's audio input jacks.

2. **METHOD A:**
Use an audio cable to connect the TV Cable Box's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the TV Cable Box's S-video output jack to the LCD TV's S-video input jack.

METHOD B:
Use a D-SUB cable to connect the TV Cable Box's D-SUB output jack to the LCD TV's VGA input jack. Use an audio cable to connect the TV Cable Box's audio output jack to the LCD TV's VGA audio input jack.

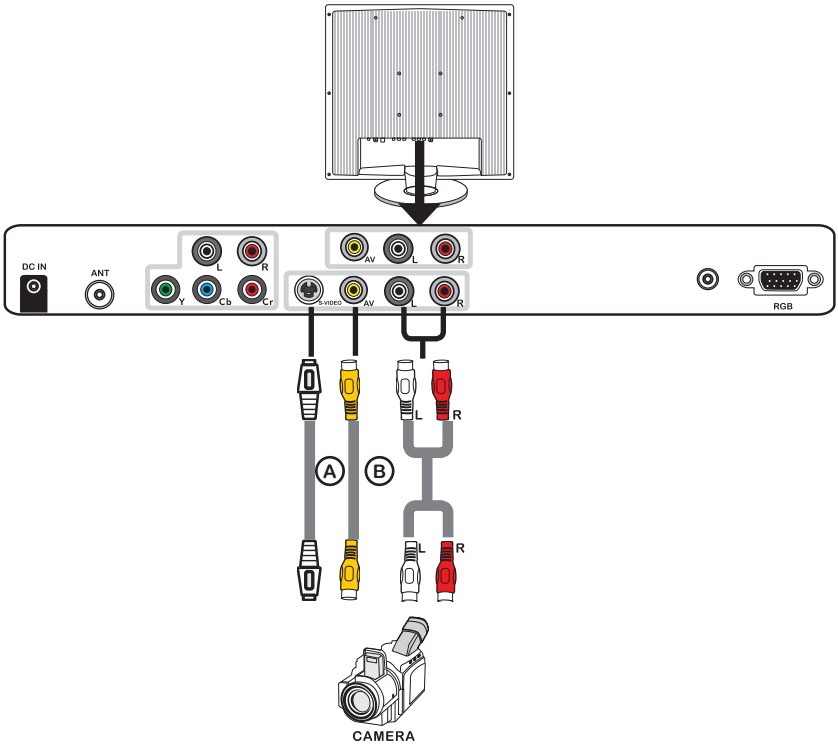
3. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

4. Press the button on the remote to turn on the LCD TV.

5. To watch programs via satellite receiver, press the **YCbCr** button on the remote.

6. To watch TV via TV cable box, press the **S-VIDEO (METHOD A)**, or **VGA (Method B)** on the remote.

Connecting a Video Camara



1. **METHOD A:**

   Use an audio cable to connect the video camera's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the VCR's S-video output jack to the LCD TV's S-video input jack.

   METHOD B:

   Use a composite cable to connect the video camera's composite video/audio jacks to the LCD TV's composite video/audio jacks.

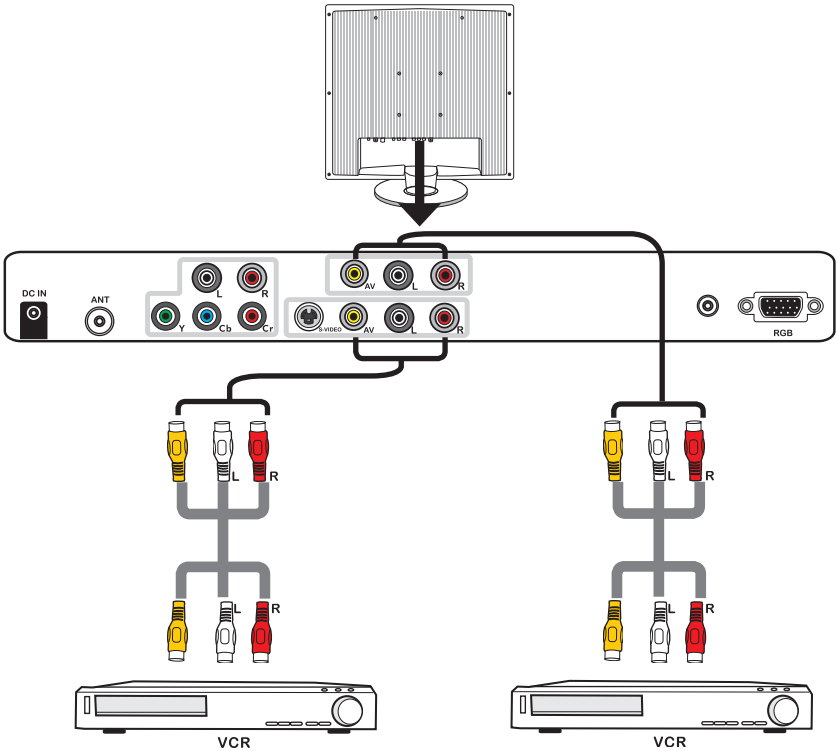
2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the button on the remote to turn on the LCD TV.

4. To watch a video vis camera, press the **SV** (METHOD A), or **AV** (METHOD B) on the remote.

Not all cameras have the ability to connect to a TV. Please check your video camera user guide for compatibility.

Connecting two VCRs



1. Use a composite cable to connect the VCR's composite video/audio input jacks to the LCD TV's composite video/audio output jacks.

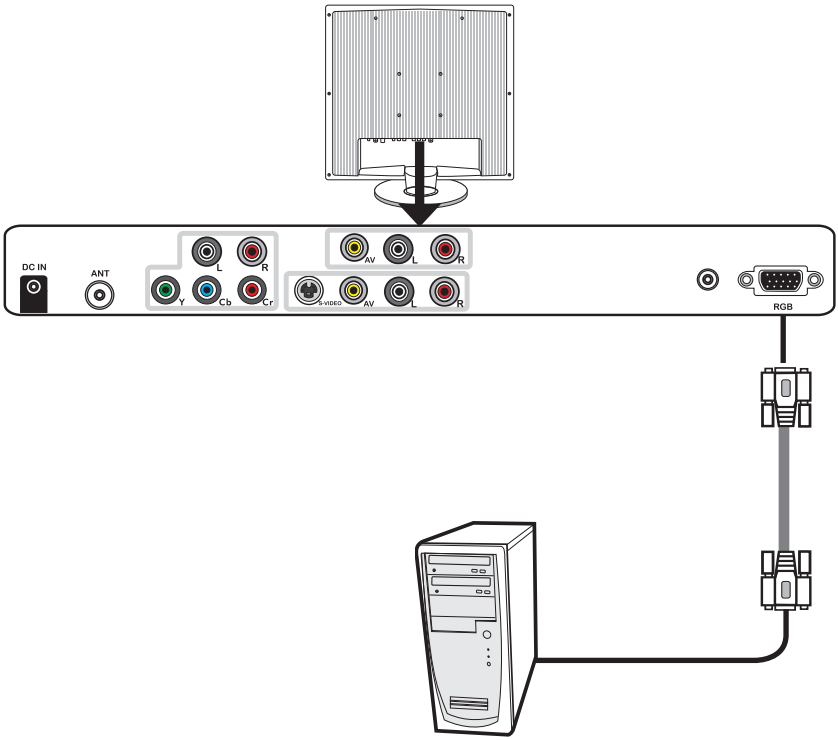
2. Use a composite cable to connect the VCR's composite video/audio outputjacks to the LCD TV's composite video/audio input jacks.

3. Connect all AC power sources, before turning the LCD TV's power switch on.

4. Press the button on the remote to turn on your LCD TV.

Through connected two VCRs, you can record one VCR to the other. You can watch a videotape at the same time.

Connecting a PC



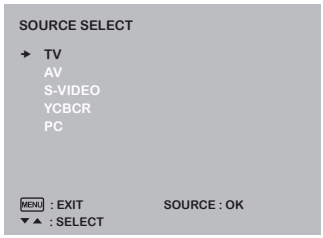
1. Use a D-SUB cable to connect the PC's D-SUB output jack to the LCD TV's VGA input jack.
2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.
3. Press the button on the remote to turn on the LCD TV.
4. Press the **VGA** on the remote.

Chapter 3 USING THE FEATURES

Watching Your LCD

1. Press the button to turn the LCD TV on.

2. Press the **TV** button to enter TV mode,
or press the **SOURCE** button on the front of TV
to display the SOURCE SELECT Menu :



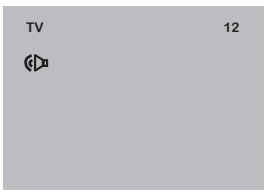
Use to select **TV** and
press the **SOURCE** button to enable.

3. Press the **CH▲▼** buttons to change channels, or use the **0-9** buttons to choose a channel. The one/two digit numbers by pressing **-/--** button.

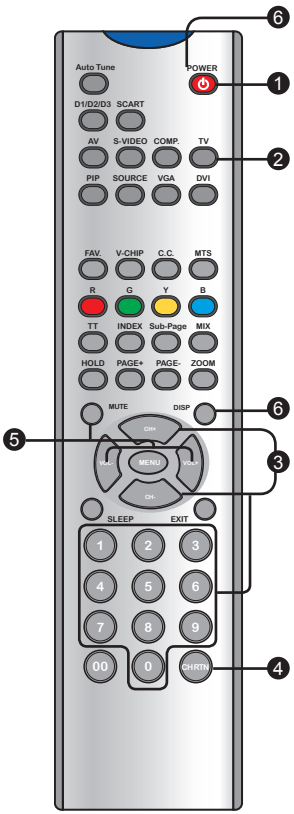
4. Press the **CH RTN** button to alternate back and forth between two channels.

5. Press the **VOL◄►** buttons to adjust the volume.
Press the **MUTE** button to turn the sound off, press again to turn the sound on.

6. Press the **DISPLAY** button to display information such as the channel and channel label. Press the **DISPLAY** button again to hide the information.



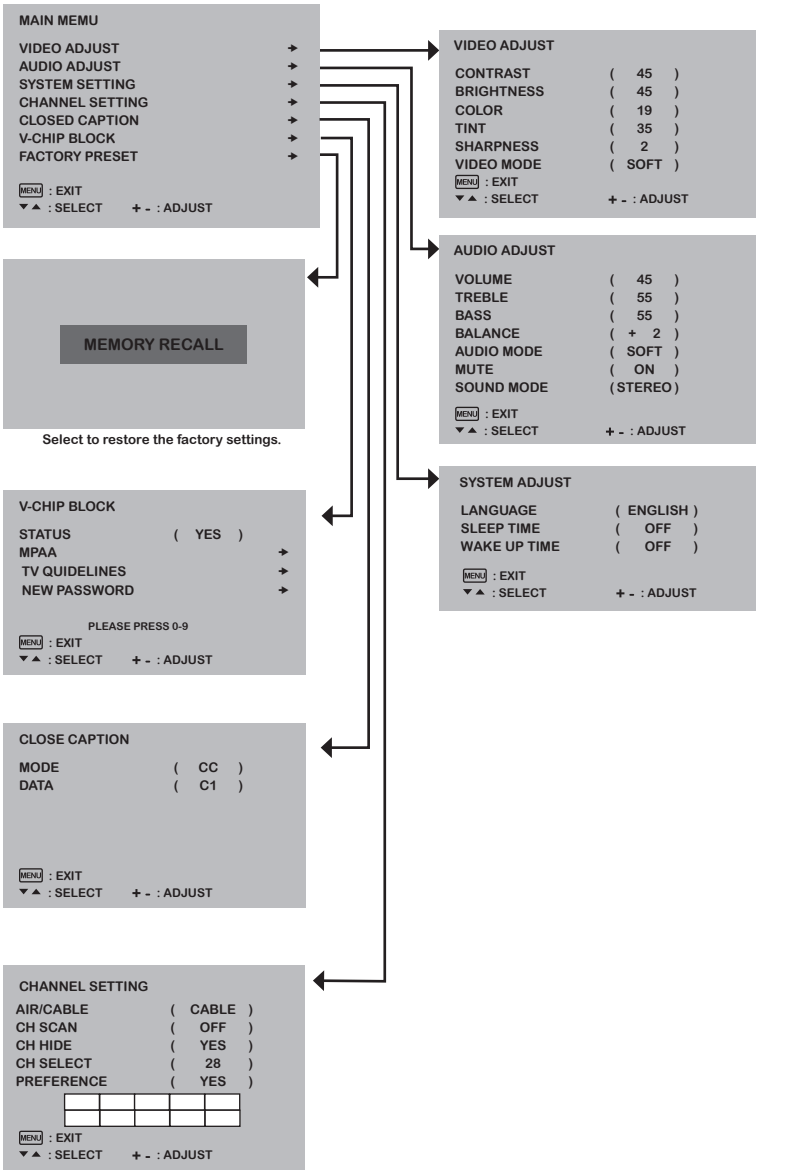
If the LCD TV does not display any picture, check all the connections.



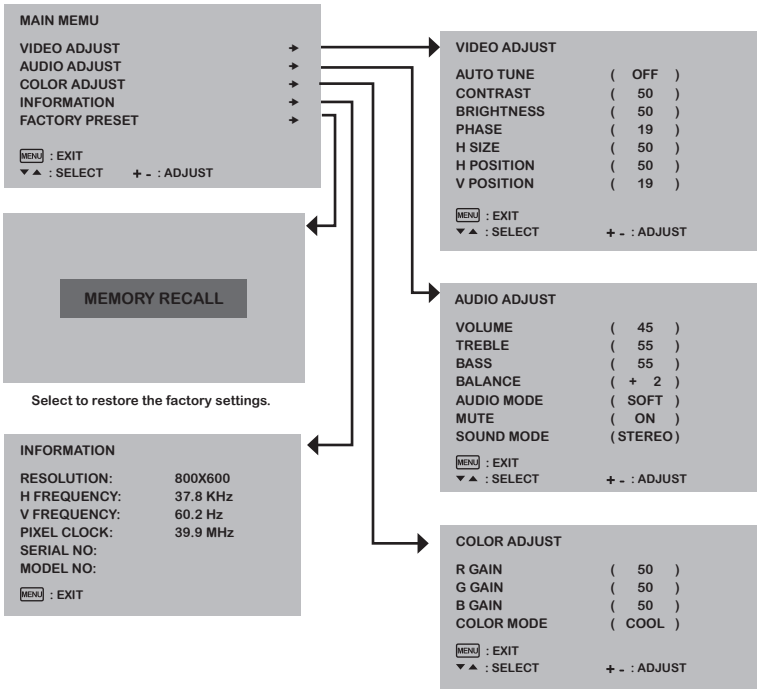
1. Press the button to turn the LCD TV on.

2. To select the signal source, press the **MENU** button on the remote control. The main menu will appear on the screen.

If the signal source is video singal, the menu displays:



If the signal source is PC singal, the menu displays:



3. Use ▲▼ to highlight your main menu option, then press ► to enter your selected option.

4. Use ▲▼ to highlight an option of the sub-menu, and use ◄► to change the value of the item.

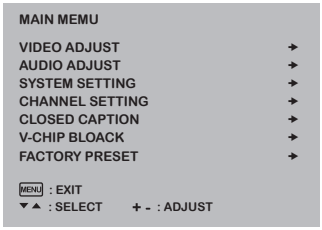
5. Press the **MENU** button to exit the menu.

Setting up the Channel List

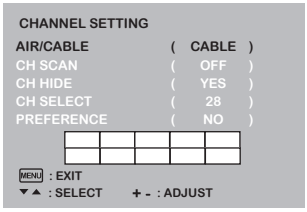
Automatically scans and stores all the TV channels

1. With the LCD TV connected to a television programming source, press the **TV** button on the remote control.

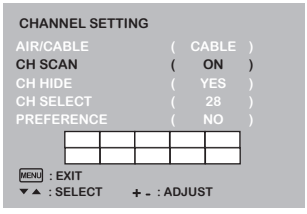
2. Press the **MENU** button on the remote control to display the Main menu, and use to select the **CHANNEL SETTING**, and press ►.



3. Press to select **AIR/CABLE**, use to select the TV source to be **AIR** or **CABLE**.



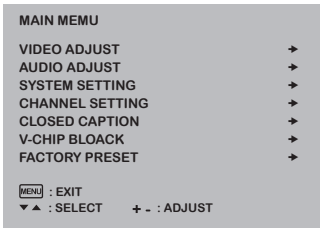
4. Press to select **CH SCAN**, use to select the **ON** option.



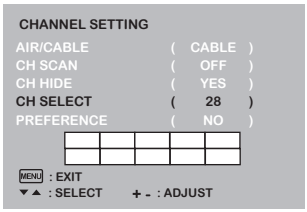
5. The **CH SCAN** automatically creates a list of receivable channels. Press the **MENU** button at any time to interrupt the memorization process.(the list cannot be created if interrupted)

CH XX **XXX MHz**

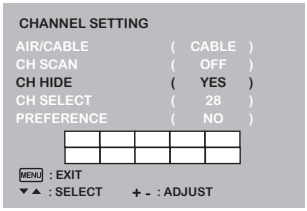
1. Press the **MENU** button on the remote control to display the Main menu, and use to select the **CHANNEL SETTING**, and press ►.



2. Press to select **CH SELECT**, then press the **VOL+-** to select the channel you choose to hide.



3. Press to select **CH HIDE**, then Use to select the **YES** option.

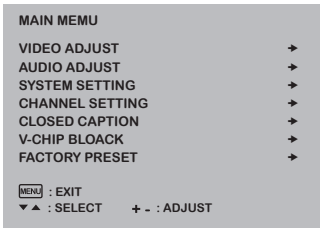


4. Repeat steps 1~3 to hide other channels.

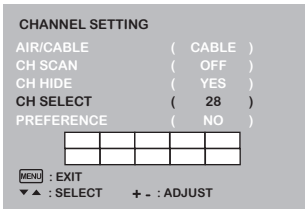
5. To add the hided channels, please repeat steps 1-3 and use to select the **OFF** option.

Hided channels can only be accessed with the 0-9 buttons.

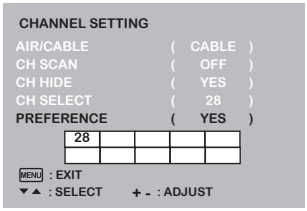
1. Press the **MENU** button on the remote control to display the Main menu, and use to select the **CHANNEL SETTING**, and press ►.



2. Press to select **CH SELECT**, then press the **VOL+**-buttons to select one channel you want to assign to the favorite channel number.



3. Press to select **PREFERENCE**, then Use to select the **YES** option.

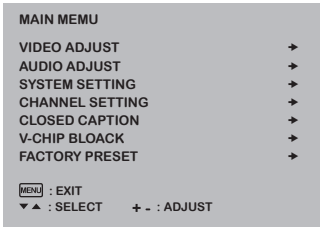


4. To add more channle to your favorites list, repeat steps 2-3.

The favorite chanels feature lets you set up ten favorite channels.

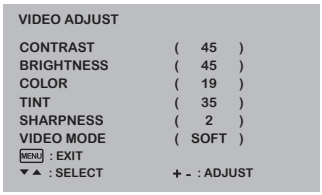
1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu :

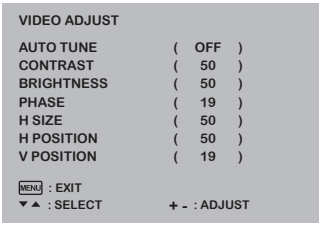


Use to select **VIDEO ADJUST**, the **VIDEO ADJUST** menu will appear on the screen.

If the signal source is video singal, the menu displays:



If the signal source is PC singal, the menu displays:


VIDEO ADJUST
AUTO TUNE (OFF)
CONTRAST (50)
BRIGHTNESS (50)
PHASE (19)
H SIZE (50)
H POSITION (50)
V POSITION (19)
MENU : EXIT
▼▲ : SELECT
+ - : ADJUST

3. Press to select the item to control.

4. Press to adjust the desired value.

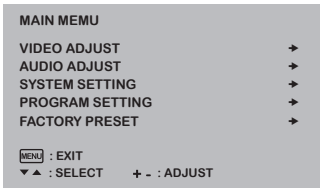
5.

CONTRAST	Controls the difference between the brightest and darkest regions of the picture.
BRIGHTNESS	Controls the overall brightness of the picture.
COLOR	Controls the colour intensity.
SHARPNESS	Increase this setting to see crisp edges in the picture; decrease it for soft edges.
VIDEO MODE	This setting controls the overall appearance of the picture, and is chosen from among the following options: PRESET, SOFT, User. **If VIDEO MODE is set to 'User', all options may be adjusted according to personal preference; all settings are saved.**
AUTO TUNE	Allows adjustment for the fine tune level by hand if signal is too weak or picture is blurry.
PHASE	Increase the focus clarity in the picture and image stability.
H POSITION	Controls the horizontal position of the picture.
V POSITION	Controls the vertical position of the picture.

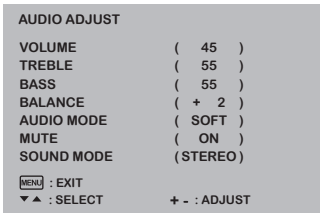
Customizing the Audio Settings

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu :



Use to select **AUDIO ADJUST**, the **AUDIO ADJUST** menu will appear on the screen.



3. Press to select the item to control.

4. Press to adjust the desired value.

5.

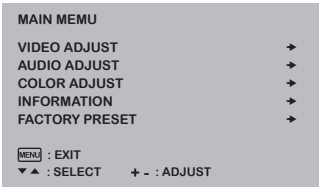
VOLUME	Changes the audio volume.
TREBLE	Controls the relative intensity of higher-pitched sounds.
BASS	Controls the relative intensity of lower-pitched sounds.
BALANCE	Adjusts the relative volume of the speakers in a multiplespeaker system.
AUDIO MODE	Allows selection of an audio-enhancement technique from among the following options: PRESENT, SOFT, and USER
MUTE	Mutes and restores your LCD TV sound.
SOUND MODE	Controls the mono/stereo mode, and allows the speakers to play high-fidelity stereo sound from a different source than the TV program currently being viewed. **STEREO**:Use separate audio tracks for left and right speakers, if available. **DUAL**: Use the speakers to play an audio track from a source independent of the TV program on screen. **MONO**: Use a single audio track for left and right speakers.

If input source is PC mode, the option may not be adjusted .

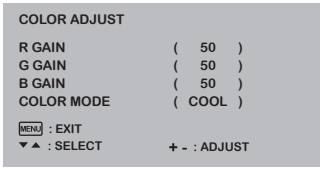
Customizing the Picture Color Settings

1. Press the button to turn the LCD TV on.

2. If the signal source is PC singal, press the **MENU** button to display the Main Menu :



Use to move select **COLOR ADJUST**, the **COLOR ADJUST** menu will appear on the screen:



3. Press to select the item to control.

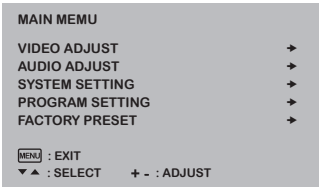
4. Press to adjust the desired value.

5.

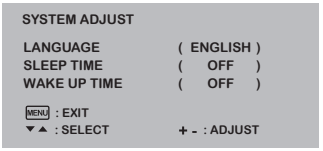
R-GAIN	Adjusts the red color setting.
G-GAIN	Adjusts the green color setting.
B-GAIN	Adjusts the blue color setting.
COLOR MODE	Controls the red, green and blue components of the picture's white color: NATURE, COOL, and USER. **NATURE**: gives the white color a red tint. **COOL**: gives the white color a blue tint. **USER**: adjusts the RGB color value manually. **If COLOR MODE is set to 'User', all options may be adjusted according to personal preference; all settings are saved.**

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu :



Use to select **SYSTEM ADJUST**, the **SYSTEM ADJUST** menu will appear on the screen:



3. Press to select the item to control.

4. Press to adjust the desired value.

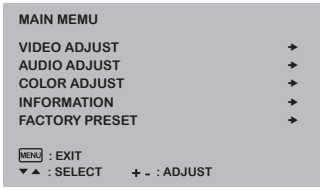
5.

LANGUAGE	Allows selection of the language used on all the on-screen menus.
SLEEP TIME	Allows selection of the time that elapses before the TV shuts off automatically: Off/10-120 minutes.
WAKE UP TIME	Allows selection of the time that elapses before the TV turns on automatically: off/0.5-23.5 hrs

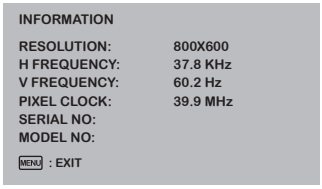
Information Menu

1. Press the button to turn the LCD TV on.

2. If the signal source is PC singal, press the **MENU** button to display the Main Menu :



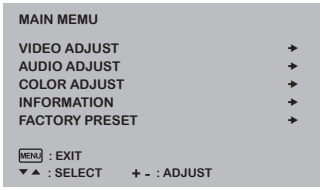
Use to select **INFORMATION**, the **INFORMATION** menu will appear on the screen:



Restoring the factory setting

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu :

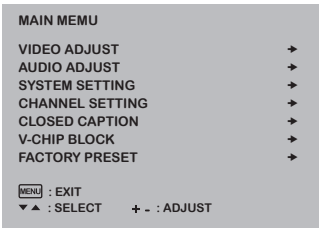


Use to select **FACTORY PRESET**,select to restore the factory settings.

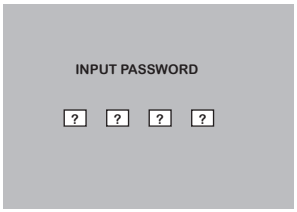
Customizing the V-CHIP Settings (For U.S TV system only)

The US has 2 rating system for viewing content: Movie bloacking(MPAA) and TV Blocking.
The TV Blocking conjuncts with the V-CHIP to help parents block inappropriate programs from their children.
The Movie bloacking(MPAA) is used for original movies rated by the Motion Picture Association of America(MPAA) as broadcasted on cable TV and not edited for television.
The V-CHIP can also be set to block MPAA-rated movies.

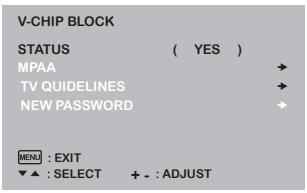
1. Press the **MENU** button on the remote control to display the Main menu, and use to select the **V-CHIP BLOCK**, and press ►.



2. Use the **V-CHIP BLOCK** function, must enter a four-digit password. The factory password is 0000.



3. Press to select **STATUS**, then Use to select the **YES** option to turn the **V-CHIP BLOCK** functions on.



4. The MPAA includes the following options:

RATING	DESCRIPTION
G	General Audiences. Movie is appropriate for all ages.
PG	Parental Guidance Suggested. May contain material not suited for younger viewers
PG-13	Contains content that may not be appropriate for viewers under the age of 13.
R	Restricted. Contains adult content, no one under 17 admitted without parent.
NC-17	No one 17 and under admitted.
X	No one 17 and under admitted.

5 The **TV GUIDELINE** has 2 rating methods: Content-Based Rating and Age-Based Rating.
The **TV GUIDELINE** includes the following options:

AGE-BASED

RATING	DESCRIPTION
TV-Y	All children
TV-Y7	Directed to children age 7 and older
TV-G	General Audience
TV-PG	Parental Guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature Audience only

CONTENT-BASED

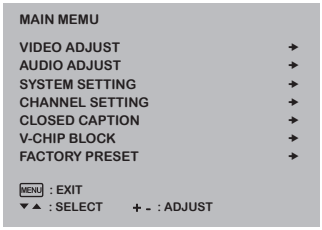
RATING	DESCRIPTION
FV	Fantasy violence
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence

		CONTENT-BASED				
		FV	D	L	S	V
AGE-BASED	TV-Y					
	TV-Y7	✔				
	TV-G					
	TV-PG		✔	✔	✔	✔
	TV-14		✔	✔	✔	✔
	TV-MA			✔	✔	✔

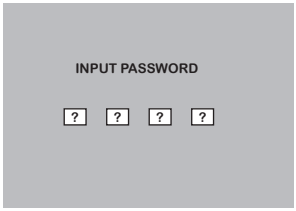
✔ : To block programs by both content and age.

6 Use to select the rating you want and press button to select **BLOCK** or **UNBLOCK**.

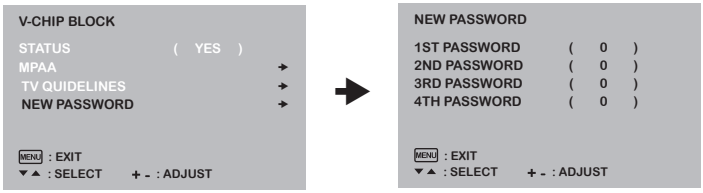
1. Press the **MENU** button on the remote control to display the Main menu, and use to select the **V-CHIP BLOCK**, and press ►.



2. Use the **V-CHIP BLOCK** function, must enter a four-digit password. The factory password is 0000.



3. Press to select **NEW PASSWORD**, then press ►.

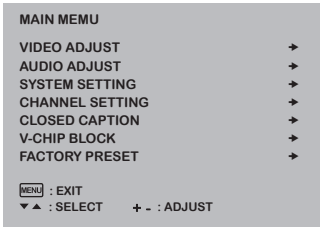


4. Press the **VOL+**-buttons to enter a new four-digit password.

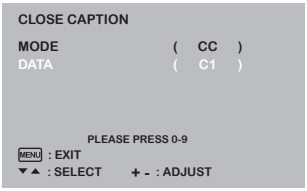
Customizing the Closed Caption Settings (For U.S TV system only)

Allows selection of the closed caption modes:
CC1 /CC2 : Displays a printed version of the dialog or sound effects of the program.
TEXT1/TEXT2: Displays station information presented using either half or the whole screen.

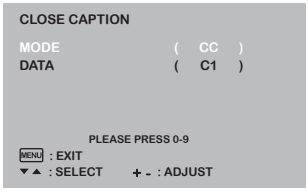
❶ Press the **MENU** button on the remote control to display the Main menu, and use to select the **CLOSED CAPTION**, and press ►.



❷ Press to select **MODE**, then use to select the **OFF, CC,** or **TEXT** mode.



❸ Press to select **DATA**, then Use to select the closed caption options.



TROUBLESHOOTING

Before consulting service personnel, check the following chart for a possible cause of the trouble and for a possible solution.

TV will not turn on

1. Make sure the power cord is plugged in, then press the button on the remote.
2. The batteries in the remote control may be exhausted.
3. Replace the batteries.

No picture, no sound

1. Check the interface cable between TV and antenna/cable TV.
2. Press the button on the remote.
3. Press the **TV** button on the remote, then press other input source button to select the connected video sources.

Poor picture, sound OK

1. Check the interface cable between TV and antenna/cable TV.
2. Try another channel, the station may have broadcast difficulties.
3. Adjust the Brightness/Contrast options in the **VIDEO ADJUST** Menu.

Picture OK, poor sound

1. Sound may be muted. Press the **MUTE** button on the remote.
2. Press the **TV** button on the remote, then press the **VOL+** button to increase the volume.

Audio noise

1. Move any infrared equipment away from the TV.

SPECIFICATION

Panel System	20 inch
Display Resolution	800 pixels(horizontal) x 600 pixels (vertical)
Television System	NTSC
Antenna Input	75 Ω unbalanced
AV IN	1
AV OUT	1
SV	1
YCbCr	1
VGA	1
AUDIO IN	3
AUDIO OUT	1
SPEAKER OUT	5 W x 2
POWER SOURCE (Power consumption(Max))	80W
DIMENSION	580 mm (W) x 620 mm (H) x 285 mm (D)
WEIGHT	11 KG